

Question Paper
ANMC Mock Test Class 7 - Fractions (Paper 2)

Exam ID : TEST/2024/01/05135059

Report Generation Date : 3/26/2024 3:01:08 PM

Q1: $6 \frac{1}{5} + 5 \frac{1}{3} + 4 \frac{1}{2} = ?$

A: $\frac{487}{30}$

B: $\frac{481}{30}$

C: $\frac{483}{30}$

D: $\frac{485}{30}$

Answer: B

Q2: Since Ram was not paying attention in class, instead of multiplying M by $\frac{3}{7}$, he divided M by $\frac{3}{7}$. Ram's value was $2 \frac{2}{14}$ more than expected value of M. What is M?

A: $\frac{9}{8}$

B: $\frac{8}{9}$

C: $\frac{10}{9}$

D: $\frac{9}{10}$

Answer: A

Q3: If a fraction's denominator is decreased by 60% and numerator is increased by 200%, the fraction becomes $\frac{5}{7}$. What is the fraction?

A: $\frac{4}{25}$

B: $\frac{2}{21}$

C: $\frac{3}{20}$

D: $\frac{5}{24}$

Answer: B

Q4: The product of two numbers is $\frac{1}{3}$ and their quotient is $\frac{6}{18}$, find the pair of numbers?

A: $\frac{1}{2}, \frac{2}{3}$

B: $\frac{1}{3}, 1$

C: $\frac{1}{4}, \frac{4}{3}$

D: $\frac{1}{2}, \frac{3}{2}$

Answer: B

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Q5: If one is added to the numerator of the fraction it becomes one. If one is added to the denominator of the fraction it becomes $\frac{1}{3}$. The fraction is?

A: $\frac{4}{5}$

B: $\frac{2}{3}$

C: $\frac{1}{2}$

D: $\frac{2}{7}$

Answer: C

Q6: $\frac{1}{6}$ of a number equals $(\frac{2}{5}) \div (\frac{1}{20})$. What is the number?

A: 42

B: 50

C: 48

D: 54

Answer: C

Q7: Evaluate the following: $5\frac{1}{4} \div (27)(\frac{1}{3}) - 7\frac{3}{4}$

A: 6

B: -6

C: 4

D: -4

Answer: B

Q8: Multiply the following fractions: $9\frac{2}{7} \times 5\frac{5}{6}$

A: $\frac{235}{7}$

B: $\frac{275}{6}$

C: $\frac{325}{6}$

D: $\frac{312}{7}$

Answer: C

Q9: In a colony of 450 members, $\frac{4}{9}$ of the members are male members. Find the number of male members.

A: 250

B: 240

C: 200

D: 260

Answer: C

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Q10: A man gave $\frac{1}{5}$ of his salary for rent, and $\frac{1}{4}$ of the remaining for the grocery bills. Find the amount of money still left with the man, if his salary was Rs. 42,000.

A: Rs. 25200

B: Rs. 25210

C: Rs. 25220

D: Rs. 25250

Answer: A

Q11: In a fraction the numerator is 7 less than the denominator. If one is added to the numerator and the denominator the denominator of the resultant fraction is double the numerator. Find the fraction.

A: $\frac{8}{15}$

B: $\frac{6}{13}$

C: $\frac{3}{10}$

D: $\frac{5}{12}$

Answer: B

Q12: $\frac{9}{5}$ of $\frac{7}{4}$ of $\frac{5}{6}$ of $\frac{4}{9}$ of 252 is:

A: 248

B: 260

C: 294

D: 280

Answer: C

Q13: Divide $\frac{7}{12}$ by $(\frac{2}{5} \text{ of } \frac{5}{8})$

A: $\frac{5}{2}$

B: $\frac{5}{3}$

C: $\frac{11}{6}$

D: $\frac{7}{3}$

Answer: D

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Q14: If $3x + 5y = 23$ and $x = 3y$, then $y = ?$

A: $14/23$

B: $23/14$

C: $15/23$

D: $23/15$

Answer: B

Q15: $15 \frac{1}{6} + 15 \frac{1}{3} + 15 \frac{1}{2} = ?$

A: $46 \frac{1}{4}$

B: $46 \frac{1}{3}$

C: 46

D: $46 \frac{1}{6}$

Answer: C

Q16: If a fraction's denominator is decreased by 60% and numerator is increased by 150%, the fraction becomes $10/13$. What is the fraction?

A: $9/65$

B: $7/65$

C: $11/65$

D: $8/65$

Answer: D

Q17: What is the square of product of $30/74$ and $37/21$?

A: $25/49$

B: $25/36$

C: $16/36$

D: $16/49$

Answer: A

Q18: In a town of 52500 members, $3/5$ of the members are male members. Find the number of female members.

A: 21050

B: 21000

C: 21250

D: 21500

Answer: B

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Q19: In a fraction the numerator is 5 less than the denominator. If six is added to the denominator the denominator of the resultant fraction is double the numerator. Find the fraction.

A: 13/18

B: 8/13

C: 12/17

D: 11/16

Answer: D

Q20: Solve: $18 \frac{1}{3} \times 20 \frac{2}{5} \times 3 \frac{3}{22}$

A: 1172

B: 1173

C: 1175

D: 1177

Answer: B

Q21: If $2x + 8y = 27$ and $x = \frac{1}{2}y$, then $x^2 = ?$

A: 9/4

B: 9/16

C: 16/25

D: 4/25

Answer: A

Q22: $8 \frac{1}{3} + 9 \frac{1}{4} - 6 \frac{1}{2} = ?$

A: 131/12

B: 137/12

C: 139/12

D: 133/12

Answer: D

Q23: In a class of 55 students, one day $\frac{1}{5}$ of the students were absent. Find the number of present students on that day.

A: 40

B: 42

C: 44

D: 45

Answer: C

Q24: $\frac{4}{9}$ part of tank is full of water. Another 1500 liters of water is required to completely fill the tank. The capacity of the tank is?

A: 2500 liters

B: 2700 liters

C: 3000 liters

D: 2800 liters

Answer: B

Q25: A student was asked to multiply a number by $\frac{9}{14}$ but he multiplied it with $\frac{14}{9}$ and got an answer 57.5 more than the correct answer. Find the number.

A: 63

B: 59

C: 57

D: 65

Answer: A

Q26: What is the square of product of $\frac{12}{30}$ and $\frac{60}{33}$?

A: $\frac{49}{100}$

B: $\frac{64}{121}$

C: $\frac{81}{121}$

D: $\frac{36}{100}$

Answer: B

Q27: Multiply the following fractions: $28\frac{5}{7} \times 9\frac{1}{3} \times \frac{7}{67}$

A: 21

B: 24

C: 25

D: 28

Answer: D

Q28: Which of the following is largest fraction among $\frac{19}{12}$, $\frac{26}{15}$, $\frac{33}{20}$ and $\frac{11}{6}$?

A: $\frac{33}{20}$

B: $\frac{11}{6}$

C: $\frac{26}{15}$

D: $\frac{19}{12}$

Answer: B

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Q29: The sum of 2 numbers is 42 and their product is 117. What will be the sum of their reciprocals?

A: $16/39$

B: $14/39$

C: $11/39$

D: $19/39$

Answer: B

Q30: Evaluate the following: $[18 \frac{1}{6} \div (\frac{9}{4})^{\frac{1}{2}}] - [4 \frac{2}{3} \div 5 \frac{1}{3}]$

A: $813/72$

B: $803/72$

C: $815/72$

D: $809/72$

Answer: D
